

AEROSPACE SYSTEMS MAINTENANCE



Aircraft Ground Handling



Sources of Hazard in Ground Operations

- Fuel
- Electricity
- Compressed gases
- Machine Tools
- Spilled oil and grease
- Tires
- Welding
- Running aircraft
- Foreign Objects



Ground Support Equipments



GPU



A/C

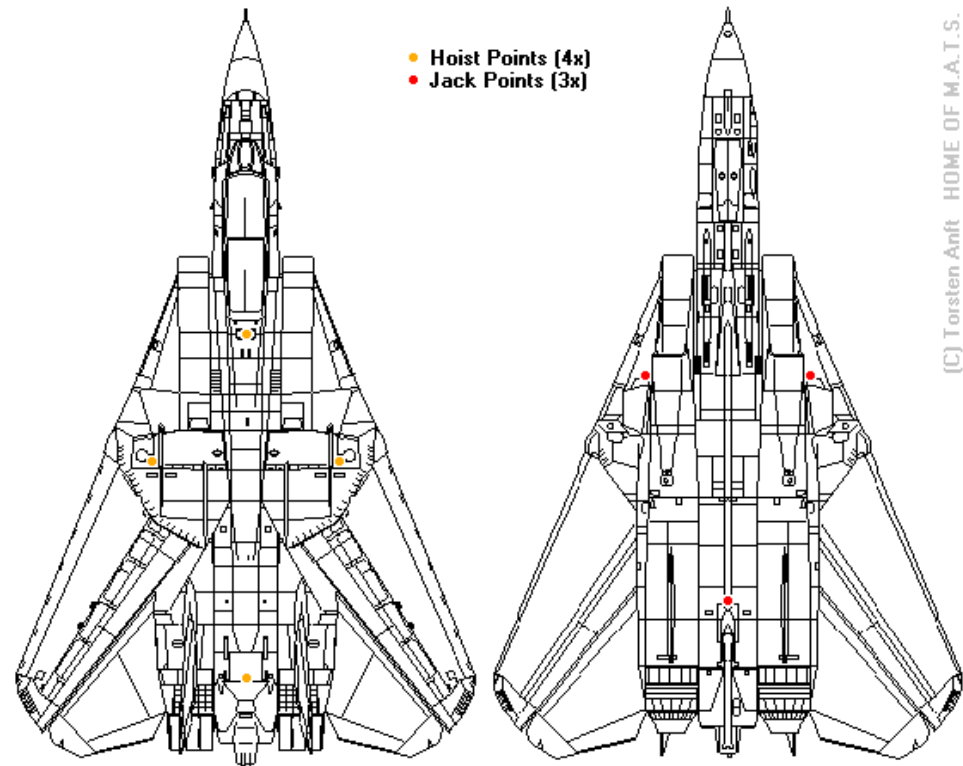
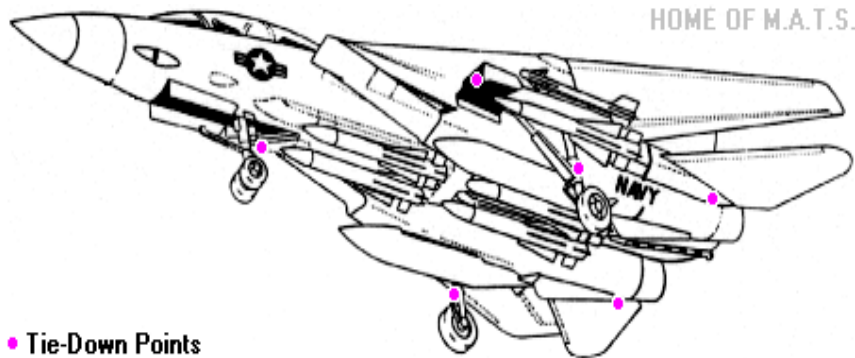
Air Starter



Refueling



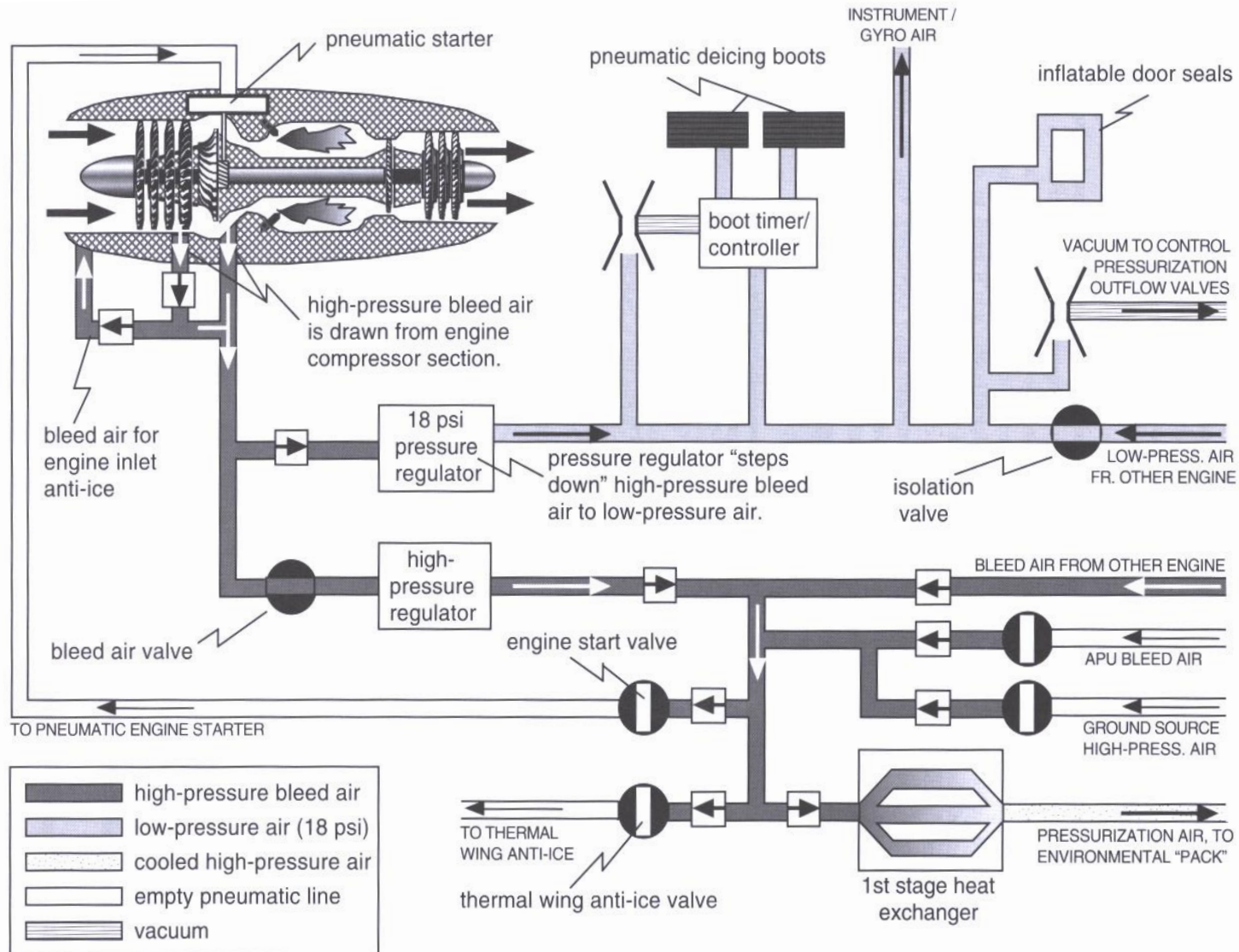
Tie-down & Jacking points



AIRCRAFT PNEUMATIC SYSTEM



Pneumatic system



APU





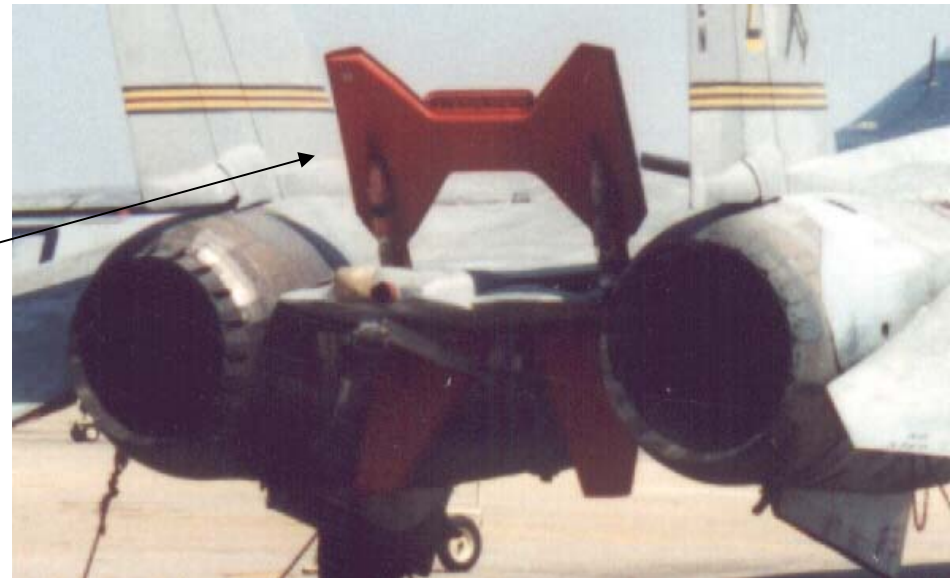
AIRCRAFT FLIGHT CONTROL SYSTEM



Flight control systems



**SPEED
BRAKE**



Main landing gear



AIRCRAFT FUEL SYSTEM



Components on aircraft



Outflow valve



Neg. Safety valve

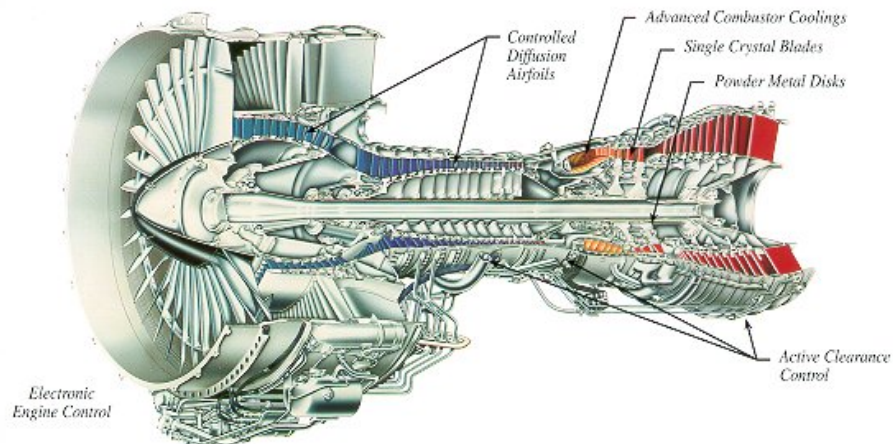


Pos. Safety valves

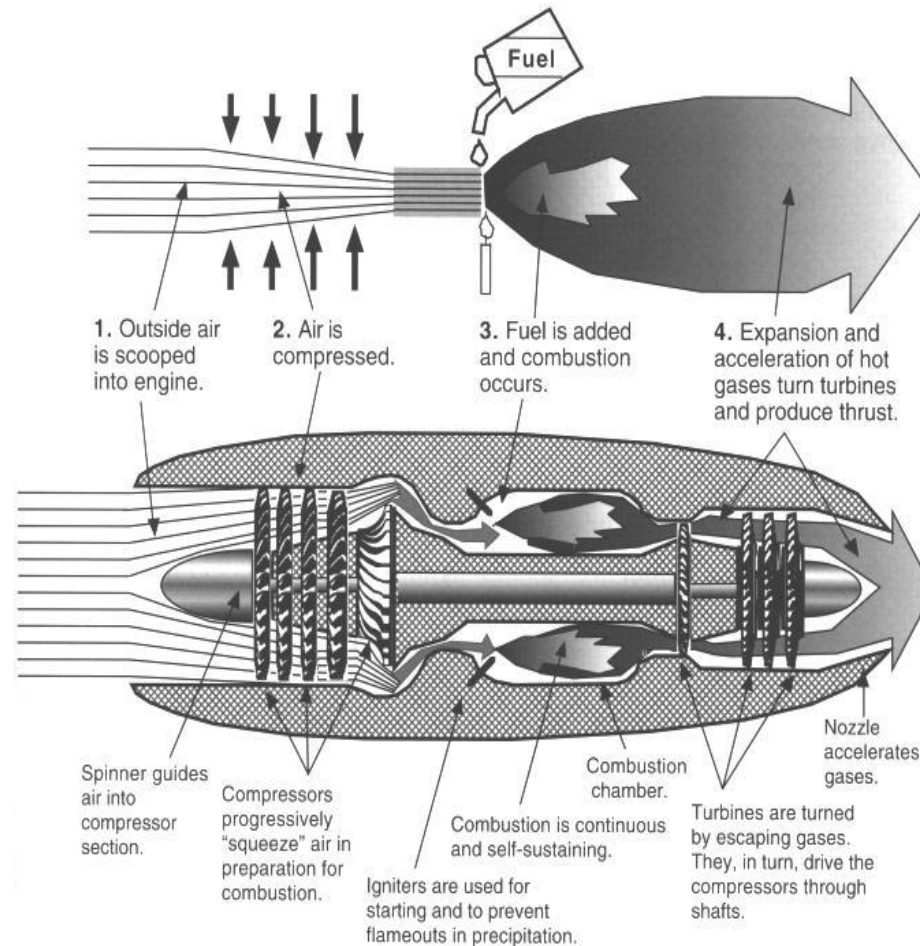


AIRCRAFT ENGINES

F117-PW-100 Turbofan Engine
Dependable Power for the C-17



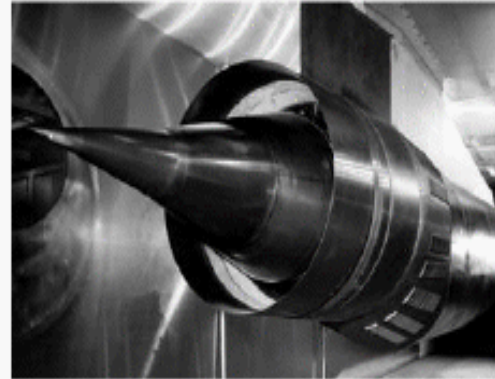
Operation of a turbine engine



Air inlet



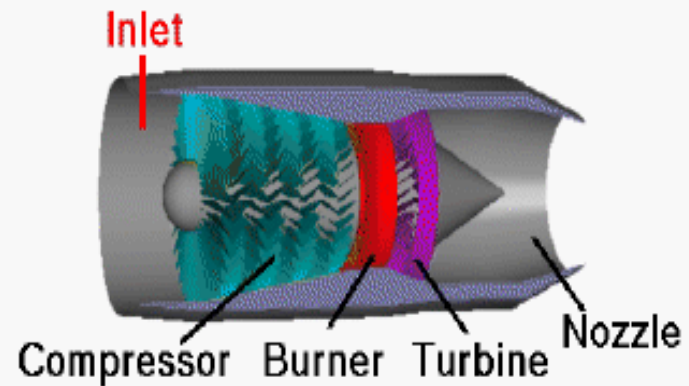
Subsonic



Axisymmetric Supersonic

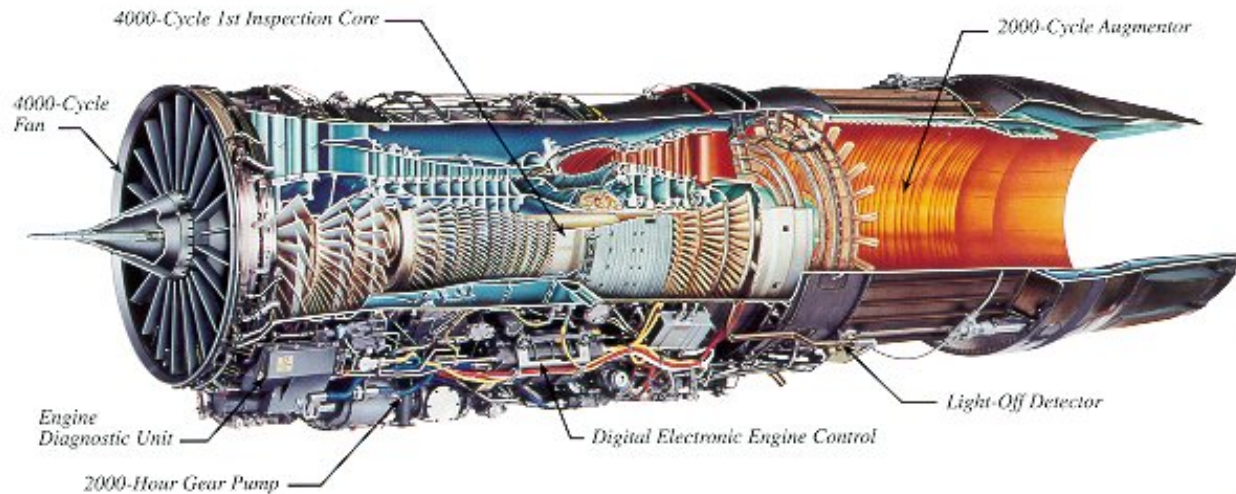


Rectangular Supersonic



Turbofan (military)

F100-PW-220/F100-PW-220E TURBOFAN ENGINE



F-15



Thrust reversers (in operation)



CLAMSHELL



CASCADE

Magnetic particle inspection

